

# Prof. BANU PEYNİRCİOĞLU

## Personal Information

**Office Phone:** [+90 312 305 2541](tel:+903123052541)

**Email:** [bbalci@hacettepe.edu.tr](mailto:bbalci@hacettepe.edu.tr)

**Web:** <https://avesis.hacettepe.edu.tr/bbalci>

## International Researcher IDs

ScholarID: [hcdudYgAAAAJ](https://orcid.org/0000-0002-8627-8796)

ORCID: 0000-0002-8627-8796

Yoksis Researcher ID: 182531

## Education Information

Doctorate, Hacettepe University, Tıp Fakültesi, Tıbbi Biyoloji, Turkey 2001 - 2007

Postgraduate, Hacettepe University, Tıp Fakültesi, Tıbbi Biyoloji, Turkey 1999 - 2001

Undergraduate, Middle East Technical University, Fen Fakültesi, Biyoloji, Turkey 1995 - 1999

## Foreign Languages

English, C1 Advanced

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology

## Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2020 - Continues

Associate Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2013 - 2020

## Advising Theses

PEYNİRCİOĞLU B., Ailevi akdeniz ateşi (AAA) hastalarında inflamatuvar hücre göçünün incelenmesi, Postgraduate, E.AVCI(Student), 2016

PEYNİRCİOĞLU B., İnflamatuvar hücre göçü sürecinde pyrin ve aktin ile ilişkili proteinlerin moleküler analizi, Postgraduate, C.GÜLER(Student), 2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- Anti-LAMP-2 Antibody Seropositivity in Children with Primary Systemic Vasculitis Affecting Medium- and Large-Sized Vessels**

AKBABA T. H., Toor K. K., Mann S. K., Gibson K. M., Alfaro G. A., Balci-Peynircioglu B., Cabral D. A., Morishita K. A.,

Brown K. L.

International Journal of Molecular Sciences, vol.25, no.7, 2024 (SCI-Expanded)

- II. **Cellular models in autoinflammatory disease research**  
Şen B., Balci-Peynircioğlu B.  
Clinical and Translational Immunology, vol.13, no.1, 2024 (SCI-Expanded)
- III. **Behçet's syndrome: recent advances to aid diagnosis**  
AKBABA T. H., EKİCİ M., Çolpak A. İ., Brown K. L., KARADAĞ Ö., Balci-Peynircioğlu B.  
Clinical and Experimental Medicine, vol.23, no.8, pp.4079-4090, 2023 (SCI-Expanded)
- IV. **Drug metabolism and inflammation related distinct miRNA signature of colchicine resistant familial Mediterranean fever patients**  
Tümerdem B. Ş., AKBABA T. H., BATU AKAL E. D., AKKAYA ULUM Z. Y., MUTLU P., ÖZEN S., Balci-Peynircioğlu B.  
International Immunopharmacology, vol.124, 2023 (SCI-Expanded)
- V. **Characterization of serum extracellular vesicles and their differential level of miR-197-3p in familial Mediterranean fever patients**  
Tavukcuoğlu Z., AKKAYA ULUM Z. Y., YERSAL N., Horzum U., AKBABA T. H., KARADAĞ Ö., ESENDAĞLI G., KORKUSUZ P., ÖZEN S., Balci-Peynircioğlu B.  
Nucleosides, Nucleotides and Nucleic Acids, 2023 (SCI-Expanded)
- VI. **The pyrin inflammasome aggravates inflammatory cell migration in patients with familial Mediterranean fever**  
Akbaba T. H., Akkaya-Ulum Y. Z., Demir S., Ozen S., Balci-Peynircioğlu B.  
PEDIATRIC RESEARCH, vol.91, no.6, pp.1399-1404, 2022 (SCI-Expanded)
- VII. **Human Ace D/I Polymorphism Could Affect the Clinicobiological Course of COVID-19.**  
Aladag E., Tas Z., Ozdemir B. S., Akbaba T. H., Akpınar M. G., Goker H., Unalan-Altıntop T., Inkaya A. C., Alp A., Metan G., et al.  
Journal of the renin-angiotensin-aldosterone system : JRAAS, vol.2021, pp.5509280, 2021 (SCI-Expanded)
- VIII. **Microbiome is not linked to clinical disease severity of familial Mediterranean fever in an international cohort of children.**  
Ozen S., Lutz H. L., Rivera V. M., Reiff A., Batu E. D., Anderson E., Salas Garcia M., Aldrovandi G., Akbaba T. H., Pazarbasi İ., et al.  
Clinical and experimental rheumatology, vol.39, pp.102-108, 2021 (SCI-Expanded)
- IX. **Inflammation-related differentially expressed common miRNAs in systemic autoinflammatory disorders patients can regulate the clinical course.**  
Akbaba T. H., Akkaya-Ulum Y. Z., Tavukcuoğlu Z., Bilginer Y., Ozen S., Balci-Peynircioğlu B.  
Clinical and experimental rheumatology, vol.39, pp.109-117, 2021 (SCI-Expanded)
- X. **Biologia Futura: the importance of 3D organoids-a new approach for research on neurological and rare diseases**  
AKBABA T. H., Bekircan-Kurt C. E., Balci-Peynircioğlu B., Balci-Hayta B.  
BIOLOGIA FUTURA, vol.72, no.3, pp.281-290, 2021 (SCI-Expanded)
- XI. **Familial Mediterranean fever-related miR-197-3p targets IL1R1 gene and modulates inflammation in monocytes and synovial fibroblasts**  
Akkaya-Ulum Z. Y., Akbaba T. H., Tavukcuoğlu Z., Chae J. J., Yilmaz E., Ozen S., Balci-Peynircioğlu B.  
SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)
- XII. **Analysis of polymorphisms in the colchicine binding site of tubulin in colchicine-resistant familial Mediterranean fever patients.**  
Akbaba T. H., Ustabas G., Kasap-Cuceloglu M., Ozen S., Balci-Peynircioğlu B.  
Molecular biology reports, vol.47, pp.9005-9011, 2020 (SCI-Expanded)
- XIII. **The Common miRNA Signatures Associated with Mitochondrial Dysfunction in Different Muscular Dystrophies**  
AKSU MENGEŞ E., Akkaya-Ulum Y. Z., DAYANGAÇ ERDEN D., Balci-Peynircioğlu B., YÜZBAŞIOĞLU A., Topaloglu H., TALİM B., Balci-Hayta B.  
AMERICAN JOURNAL OF PATHOLOGY, vol.190, no.10, pp.2136-2145, 2020 (SCI-Expanded)

- XIV. **Ancient familial Mediterranean fever mutations in human pyrin and resistance to *Yersinia pestis*.**  
Park Y. H., Remmers E. F., Lee W., Ombrello A. K., Chung L. K., Zhao Shilei Z. S., Stone D. L., Ivanov M. I., Loeven N. A., Barron K. S., et al.  
Nature immunology, vol.21, no.8, pp.857-867, 2020 (SCI-Expanded)
- XV. **Epigenetics for Clinicians from the Perspective of Pediatric Rheumatic Diseases.**  
Akbaba T. H., Sag E., Balci-Peynircioglu B., Ozen S.  
Current rheumatology reports, vol.22, pp.46, 2020 (SCI-Expanded)
- XVI. **Comorbidities in familial Mediterranean fever: analysis of 2000 genetically confirmed patients.**  
Balci-Peynircioglu B., Kaya-Akca U., Arici Z. S., Avci E., Akkaya-Ulum Z. Y., KARADAĞ Ö., KALYONCU U., BİLGİNER Y., Yilmaz E., ÖZEN S.  
Rheumatology (Oxford, England), vol.59, no.6, pp.1372-1380, 2020 (SCI-Expanded)
- XVII. **Autoinflammation in addition to combined immunodeficiency: SLC29A3 gene defect**  
Cagdas D. N., Surucu N., TAN Ç., ÖZGÜL R. K., Akkaya-Ulum Y. Z., Aydinoglu A. T., Aytac Ş. S., GÜMRÜK F., Balci-Hayta B., Balci-Peynircioglu B., et al.  
MOLECULAR IMMUNOLOGY, vol.121, pp.28-37, 2020 (SCI-Expanded)
- XVIII. **A method for high-purity isolation of neutrophil granulocytes for functional cell migration assays**  
Avci E., Akkaya-Ulum Y. Z., Yoyen-Ermis D., ESENDAĞLI G., Balci-Peynircioglu B.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.44, no.6, pp.810-821, 2019 (SCI-Expanded)
- XIX. **Potential of miRNAs to predict and treat inflammation from the perspective of Familial Mediterranean Fever.**  
Balci-Peynircioglu B., Akkaya-Ulum Y., Akbaba T. H., Tavukcuoglu Z.  
Inflammation research : official journal of the European Histamine Research Society ... [et al.], vol.68, pp.905-913, 2019 (SCI-Expanded)
- XX. **Effects of calcium hydroxide and N-acetylcysteine on MMP-2, MMP-9, TIMP-1 and TIMP-2 in LPS-stimulated macrophage cell lines**  
Astantas E. E., AKSOY Y., Ulum Y. Z. A., CEYHAN D., PEYNİRCİOĞLU B., DOĞAN BUZOĞLU H.  
Turkish Journal of Biochemistry, vol.43, no.6, pp.571-577, 2018 (SCI-Expanded)
- XXI. **Potential role of pyrin, the protein mutated in familial Mediterranean fever, during inflammatory cell migration.**  
Balci-Peynircioglu B., Akkaya-Ulum Y. Z., Avci E., Batu E. D., Purali N., Ozen S., Yilmaz E.  
Clinical and experimental rheumatology, vol.36, no.6, pp.116-124, 2018 (SCI-Expanded)
- XXII. **New workflow for classification of genetic variants' pathogenicity applied to hereditary recurrent fevers by the International Study Group for Systemic Autoinflammatory Diseases (INSAID).**  
Van Gijn M. E., Ceccherini I., Shinar Y., Carbo E. C., Slofstra M., Arostegui J. I., Sarabay G., Rowczenio D., Omoyimni E., Balci-Peynircioglu B., et al.  
Journal of medical genetics, vol.55, no.8, pp.530-537, 2018 (SCI-Expanded)
- XXIII. **Common miRNA signatures in a group of rare neuromuscular disorders**  
Aksu E., Akkaya-Ulum Y. Z., Balci-Peynircioglu B., Dayangac-Erden D., Yuzbasioglu A., Bakir-Gungor B., Talim B., Balci-Hayta B.  
FEBS OPEN BIO, vol.8, pp.467, 2018 (SCI-Expanded)
- XXIV. **Behçet Disease serum is immunoreactive to neurofilament medium which share common epitopes to bacterial HSP-65, a putative trigger.**  
Lule S., Colpak A. I., Balci-Peynircioglu B., Gursoy-Ozdemir Y., Peker S., Kalyoncu U., Can A., Tekin N., Demiralp D., Dalkara T.  
Journal of autoimmunity, vol.84, pp.87-96, 2017 (SCI-Expanded)
- XXV. **Alteration of the microRNA expression profile in familial Mediterranean fever patients**  
Akkaya-Ulum Y. Z., Balci-Peynircioglu B., KARADAĞ Ö., Eroglu F. K., KALYONCU U., KİRAZ S., Ertenli A. I., ÖZEN S., YILMAZ E.  
CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, vol.35, no.6, 2017 (SCI-Expanded)
- XXVI. **The effect of N-acetylcysteine and calcium hydroxide on TNF-alpha and TGF-beta 1 in lipopolysaccharide-activated macrophages**

- Karapinar S. P., ULUM Y. Z. A., ÖZÇELİK B., BUZOĞLU H., Ceyhan D., PEYNİRCİOĞLU B., AKSOY Y.  
ARCHIVES OF ORAL BIOLOGY, vol.68, pp.48-54, 2016 (SCI-Expanded)
- XXVII. **Pyrin-PSTPIP1 colocalises at the leading edge during cell**  
Akkaya-Ulum Y. Z., Balci-Peynircioglu B., PURALI N., YILMAZ E.  
CELL BIOLOGY INTERNATIONAL, vol.39, no.12, pp.1384-1394, 2015 (SCI-Expanded)
- XXVIII. **Investigation of the inflammatory cell migration process in familial Mediterranean fever**  
Ulum Y. A., Avci E., Batu E., KARADAĞ Ö., ÖZEN S., PURALI N., YILMAZ E., PEYNİRCİOĞLU B.  
Pediatric Rheumatology, vol.13, no.1, 2015 (SCI-Expanded)
- XXIX. **Familial Mediterranean Fever -- an increasingly important childhood disease in Sweden.**  
Wekell P., Friman V., Balci-Peynircioglu B., Yilmaz E., Fasth A., Berg S.  
Acta paediatrica (Oslo, Norway : 1992), vol.102, no.2, pp.193-8, 2013 (SCI-Expanded)
- XXX. **The effect of colchicine on pyrin and pyrin interacting proteins.**  
Taskiran E. Z., Cetinkaya A., Balci-Peynircioglu B., Akkaya Y. Z., Yilmaz E.  
Journal of cellular biochemistry, vol.113, no.11, pp.3536-46, 2012 (SCI-Expanded)
- XXXI. **Expression of ASC in post-mortem brain samples of alzheimer's disease patients: A possible role for ASC in a $\beta$  amyloid formation**  
**alzheimer hastalarının post-mortem beyin dokusu örneklerinde ASC ifadesi: A $\beta$  amyloid oluşumunda ASC'nin rolü**  
Taskiran E. Z., Balci-Peynircioglu B., Soylemezoglu F., Yilmaz E.  
Turkish Journal of Biochemistry, vol.36, no.4, pp.350-355, 2011 (SCI-Expanded)
- XXXII. **Expression of ASC in post-mortem brain samples of Alzheimer's disease patients: A possible role for ASC in A beta amyloid formation**  
Taskiran E. Z., Balci-Peynircioglu B., Soylemezoglu F., YILMAZ E.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.36, no.4, pp.350-355, 2011 (SCI-Expanded)
- XXXIII. **Pyrin Modulates the Intracellular Distribution of PSTPIP1**  
Waite A. L., Schaner P., Richards N., Balci-Peynircioglu B., Masters S. L., Brydges S. D., Fox M., Hong A., Yilmaz E., Kastner D. L., et al.  
PLOS ONE, vol.4, no.7, 2009 (SCI-Expanded)
- XXXIV. **Pyrin and ASC co-localize to cellular sites that are rich in polymerizing actin.**  
Waite A. L., Schaner P., Hu C., Richards N., Balci-Peynircioglu B., Hong A., Fox M., Gumucio D. L.  
Experimental biology and medicine (Maywood, N.J.), vol.234, no.1, pp.40-52, 2009 (SCI-Expanded)
- XXXV. **Expression of ASC in renal tissues of familial mediterranean fever patients with amyloidosis: postulating a role for ASC in AA type amyloid deposition.**  
Balci-Peynircioglu B., Waite A. L., Schaner P., TAŞKIRAN Z. E., Richards N., ORHAN D., Gucer S., ÖZEN S., Gumucio D., Yilmaz E.  
Experimental biology and medicine (Maywood, N.J.), vol.233, no.11, pp.1324-33, 2008 (SCI-Expanded)
- XXXVI. **Pyrin, product of the MEFV locus, interacts with the proapoptotic protein, Siva.**  
Balci-Peynircioglu B., Waite A. L., Hu C., Richards N., Staubach-Grosse A., YILMAZ E., Gumucio D. L.  
Journal of cellular physiology, vol.216, no.3, pp.595-602, 2008 (SCI-Expanded)
- XXXVII. **The analysis of interleukin-1 receptor antagonist and interleukin-1beta gene polymorphisms in Turkish FMF patients: do they predispose to secondary amyloidosis?**  
Balci-Peynircioğlu B., Taşkıran Z. E., Türel B., Arici M., Bakkaloğlu A., Ozen S., Yilmaz E.  
Clinical and experimental rheumatology, vol.26, 2008 (SCI-Expanded)
- XXXVIII. **The analysis of Interleukin-1 Receptor Antagonist and Interleukin-1 beta gene polymorphisms in Turkish FMF patients: Do they predispose to secondary amyloidosis?**  
Taskiran Z., Balci P. B., Turel B., Arici M., Ozen S., Bakkaloglu A., Yilmaz E.  
CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, vol.26, no.2, pp.184, 2008 (SCI-Expanded)
- XXXIX. **Expression of ASC in renal tissues of IMF patients with amyloidosis; postulating a role for ASC in AA type amyloid deposition**  
Balci-Peynircioglu B., Waite A., Schaner P., Taskiran Z., Richards N., Orhan D., Gucer S., Ozen S., Gumucio D., Yilmaz E.  
CLINICAL AND EXPERIMENTAL RHEUMATOLOGY, vol.26, no.2, pp.173, 2008 (SCI-Expanded)
- XL. **Identification of the difference in extracellular matrix and adhesion molecules of cultured human**

**gingival fibroblasts versus juvenile hyaline fibromatosis gingival fibroblasts using cDNA microarray analysis.**

Hakki S., Balci B., Hakki E., Yilmaz E., Nohutcu R.

Journal of periodontology, vol.76, no.12, pp.2244-53, 2005 (SCI-Expanded)

- XLII. **Genetic risk factors of amyloidogenesis in familial Mediterranean fever.**  
Delibas A., Oner A., Balci B., Demircin G., Bulbul M., BEK K., Erdogan O., Baysun S., Yilmaz E.  
American journal of nephrology, vol.25, no.5, pp.434-40, 2005 (SCI-Expanded)
- XLIII. **Familial Mediterranean fever (FMF) in Turkey - Results of a nationwide multicenter study**  
Tunca M., Akar S., Onen F., Ozdogan H., KASAPÇOPUR Ö., Yalcinkaya F., Tutar E., Ozen S., Topaloglu R., Yilmaz E., et al.  
MEDICINE, vol.84, no.1, pp.1-11, 2005 (SCI-Expanded)
- XLIII. **Influence of Serum Amyloid A (SAA1) and SAA2 gene polymorphisms on renal amyloidosis, and on SAA/C-reactive protein values in patients with familial mediterranean fever in the Turkish population.**  
Bakkaloglu A., Duzova A., Ozen S., Balci B., Besbas N., Topaloglu R., Ozaltin F., Yilmaz E.  
The Journal of rheumatology, vol.31, no.6, pp.1139-42, 2004 (SCI-Expanded)
- XLIV. **Mutations in the gene for familial Mediterranean fever: do they predispose to inflammation?**  
Ozen S., Bakkaloglu A., Yilmaz E., Duzova A., Balci B., Topaloglu R., Besbas N.  
The Journal of rheumatology, vol.30, no.9, pp.2014-8, 2003 (SCI-Expanded)
- XLV. **Analysis of the modifying effects of SAA1, SAA2 and TNF-alpha gene polymorphisms on development of amyloidosis in FMF patients.**  
Yilmaz E., Balci B., Kutlay S., Ozen S., Erturk S., Oner A., Besbas N., Bakkaloglu A.  
The Turkish journal of pediatrics, vol.45, no.3, pp.198-202, 2003 (SCI-Expanded)
- XLVI. **MEFV gene mutations in familial Mediterranean fever phenotype II patients with renal amyloidosis in childhood: a retrospective clinicopathological and molecular study.**  
Balci B., Tinaztepe K., Yilmaz E., Gucer S., Ozen S., Topaloglu R., Besbas N., Ozguc M., Bakkaloglu A.  
Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association, vol.17, no.11, pp.1921-3, 2002 (SCI-Expanded)
- XLVII. **Mutation frequency of Familial Mediterranean Fever and evidence for a high carrier rate in the Turkish population**  
Yilmaz E., Ozen S., Balci B., Duzova A., Topaloglu R., Besbas N., Saatci U., Bakkaloglu A., Ozguc M.  
EUROPEAN JOURNAL OF HUMAN GENETICS, vol.9, no.7, pp.553-555, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Potential Impacts of Gut Microbiota On Immune System Related Diseases: Current Studies and Future Challenges**  
Akbaba T. H., Peynircioğlu B.  
Acta Medica, vol.49, pp.31-37, 2018 (Peer-Reviewed Journal)
- II. **Data of indirect immunofluorescence labeling of the mouse brain sections with sera from SLE and MS patients.**  
ÇOLPAK İŞİKAY A. İ., Balci-Peynircioglu B., CAN A., Gursoy-Ozdemir Y., LÜLE S., KALYONCU U., DALKARA T.  
Data in brief, vol.15, pp.170-173, 2017 (Scopus)
- III. **CVID Associated with Systemic Amyloidosis**  
Esenboga S., ÇAĞDAŞ AYVAZ D. N., Ayhan A. S., PEYNİRCİOĞLU B., Sanal O., Tezcan I.  
CASE REPORTS IN IMMUNOLOGY, 2015 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Children with Congenital Heart Diseases: Any Correlation between Mitochondrial Functions of**

## **Myocardium, Cardiac Markers, and Histopathological Changes?**

Ucar Z., Aydinoglu A. T., AKBABA T. H., ÖNDER S. Ç., Balci-Peynircioglu B., Balci-Hayta B., DEMİRCİN M.  
Annual Clinical Congress of the American-College-of-Surgeons / 5th Annual Sessions of the Owen-H-Wangenstein-Scientific-Forum, San-Francisco, Costa Rica, 27 - 31 October 2019, vol.229

- II. **Possible relationship between mevalonate kinase and cell migration from perspective of mevalonate kinase deficiency**  
AKBABA T. H., AKKAYA ULUM Z. Y., DEMİR S., ÖZEN S., PEYNİRCİOĞLU B.  
7th INTERNATIONAL CONGRESS OF THE MOLECULAR BIOLOGY ASSOCIATION OF TURKEY, 27 - 29 September 2019, vol.43
- III. **Possible Regulatory Effects Of miRNAs In The Pathogenesis Of Systemic Auto Inflammatory Diseases From The Perspective Of Familial Mediterranean Fever**  
AKKAYA ULUM Z. Y., TAVUKÇUOĞLU Z., BATU E. D., AKBABA T. H., SÖNMEZ H. E., PEYNİRCİOĞLU B., ÖZEN S.  
Autoinflammation 2019, 10.Uluslararası FMF ve SAID Kongresi, Cenova, İtalya, 31 March - 03 April 2019
- IV. **miR-197 Regulates Inflammation In Monocytes And Synovial Fibroblasts By Targeting IL1R1**  
AKKAYA ULUM Z. Y., TAVUKÇUOĞLU Z., AKBABA T. H., YILMAZ E., PEYNİRCİOĞLU B.  
Autoinflammation 2019, 10.Uluslararası FMF ve SAID Kongresi, Cenova, İtalya, 31 March - 03 April 2019
- V. **Cell Migration Defect In Hyperimmunoglobulin D Syndrome**  
AKBABA T. H., DEMİR S., AKKAYA ULUM Z. Y., ÖZEN S., PEYNİRCİOĞLU B.  
Autoinflammation 2019, 10.Uluslararası FMF ve SAID Kongresi, Cenova, İtalya, 31 March - 03 April 2019
- VI. **Investigation of inflammasome components in the process of cell migration in FMF patients**  
AKBABA T. H., AKKAYA ULUM Z. Y., DEMİR S., TAVUKÇUOĞLU Z., ÖZEN S., PEYNİRCİOĞLU B.  
10th International Congress of Familial Mediterranean Fever and Systemic Auto-Inflammatory Diseases, Genoa, Italy, 31 March 2019, pp.20-21
- VII. **MiRNAs as Possible Modulators in the Pathogenesis of Systemic Auto Inflammatory Diseases**  
AKKAYA ULUM Z. Y., AKBABA T. H., TAVUKÇUOĞLU Z., ÖZEN S., PEYNİRCİOĞLU B.  
3rd Danube Conference on Epigenetics - FEBS 2018, Budapeşte, Hungary, 09 October 2018, pp.52
- VIII. **The Existence Of Exosomal MiRNAs In The Circulation In Familial Mediterranean Fever (FMF) Patients**  
tavukcuoglu z., AKKAYA ULUM Z. Y., YERSAL N., AKBABA T. H., yardimci g. k., karadag o., KORKUSUZ P., PEYNİRCİOĞLU B.  
EBML Symposia, 3 - 06 October 2018
- IX. **Characterization of Circulating Exosomes and Analysis of Exosomal microRNAs**  
zeynep t., AKKAYA ULUM Z. Y., YERSAL N., AKBABA T. H., Horzum U., ESENDAĞLI G., KORKUSUZ P., peynircioglu b.  
6th International Congress of the Molecular Biology of Association of Turkey, 5 - 08 September 2018
- X. **Analysis of genetic background in Turkish early onset Parkinson's disease patients**  
AKBABA T. H., ÖNAL G., YÜZBAŞIOĞLU A., YALÇIN ÇAKMAKLI G., PEYNİRCİOĞLU B., ÖZGÜÇ M., DÖKMECİ S., ELİBOL B.  
6th International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 05 September 2018, pp.46
- XI. **Analysis of genomic rearrangements in a Turkish cohort of early onset Parkinson's disease**  
ÖNAL G., YÜZBAŞIOĞLU A., YALÇIN ÇAKMAKLI G., PEYNİRCİOĞLU B., DÖKMECİ S., ÖZGÜÇ M., ELİBOL B.  
42nd FEBS Congress, 10 - 14 September 2017
- XII. **How common are the genomic rearrangements among possibly autosomal recessive PD cases in Turkey?**  
YALÇIN ÇAKMAKLI G., YÜZBAŞIOĞLU A., ÖNAL G., PEYNİRCİOĞLU B., ÖZGÜÇ M., DÖKMECİ S., ELİBOL B.  
International Congress of Parkinson's Disease and Movement Disorders, 4 - 08 June 2017
- XIII. **Analysis of Genomic Rearrangements in a Turkish cohort of early onset Parkinson's Disease**  
YÜZBAŞIOĞLU A., ÖNAL G., YALÇIN ÇAKMAKLI G., PEYNİRCİOĞLU B., ÖZGÜÇ M., ELİBOL B., DÖKMECİ S.  
43rd International Parkinson Disease Symposium, 6 - 08 October 2016
- XIV. **Effects of Calcium Hydroxide and N acetyl cystein on Destruction Enzyme Activity in Inflamed Cells**  
ASLANTAŞ E. E., DOĞAN BUZOĞLU H., CEYHAN D., AKSOY Y., AKKAYA ULUM Z. Y., PEYNİRCİOĞLU B.

European Society of Endodontology 17. Biennial Congress, Barcelona, Spain, 16 - 19 September 2015

**XV. EVALUATION OF ELK-1 ACTIVATION BY PHOSPHATIDYLINOSITOL 3-KINASE/AKT PATHWAY IN GLIOBLASTOMA**

Mut M., Isik S., Demir O., PEYNİRCİOĞLU B.

3rd Quadrennial Meeting of the World-Federation-of-Neuro-Oncology/6th Meeting of the Asian-Society-for-Neuro-Oncology, Yokohama, Japan, 11 - 14 May 2009, vol.11, pp.957

## Supported Projects

ÖZEN H., PEYNİRCİOĞLU B., ORHAN D., AKBABA T. H., Özdemir B. Ş., ŞİMŞEK ONAT P., Project Supported by Higher Education Institutions, Erken 617 yaş İle Çok Erken 6 yaş Başlangıçlı İnflamatuvar Bağırsak Hastalarında Nötrofil Ekstraselüler Traps Salınımının Araştırılması ve Karşılaştırılması, 2021 - Continues

PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, Amiloid Hayvan Modelinde ASC(Apoptosis-associated speck like protein with a CARD) proteinin AA Tip Amiloid Patogenezindeki İşlevinin Aydınlatılması, 2011 - Continues

Akkaya Ulum Z. Y., Eroğlu İ., Peynircioğlu B., TUBITAK Project, Ailevi Akdeniz Ateşi Transgenik Fare Modellerinde miR-197-3p'nin Potansiyel Terapötik Etkilerinin Araştırılması, 2023 - 2025

Çağdaş Ayvaz D. N., Peynircioğlu B., Kelicen Uğur E. P., Akkaya Ulum Z. Y., Esenboğa S., Oskay Halaçlı S., Yaz I., Çiçek B., TUBITAK Project, Hiperimmünglobulin E Sendromu Tanılı Hastalarda İmmünofenotipik Değerlendirmeye Ek Olarak Lenfoid Hücre ve Nötrofillerde Retinoik Asit ve Anti-IL23 Uyarımı İle İlişkili Gen Ekspresyon Analizi, 2023 - 2025

DALKARA T., ÖZEN S., KALYONCU U., PEYNİRCİOĞLU B., ÇOLPAK IŞIKAY A. İ., DEMİR B. N., AKKAYA ULUM Z. Y., AKBABA T. H., Project Supported by Higher Education Institutions, BEHÇET HASTALIĞINDA NeurofilamentMediumA KARŞI İMMÜNREAKTİVİTENİN DUYARLILIK VE ÖZGÜLLÜĞÜNÜN ARAŞTIRILMASI, 2019 - 2023

SAYINALP N., AKBABA T. H., ALADAĞ KARAKULAK E., HAZNEDAROĞLU İ. C., İNKAYA A. Ç., PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, COVID-19 Hastalarında Anjiyotensin Dönüştürücü Enzim Gen Polimorfizmlerinin Klinik Sonlanımlara Etkisinin Araştırılması, 2020 - 2021

PEYNİRCİOĞLU B., TUBITAK Project, Ailevi Akdeniz Ateşi(Aaa) Hastalarında Saptanan Mirnaların İlaç Direnci Üzerindeki Etkilerinin Araştırılması, 2019 - 2021

BALCI B., PEYNİRCİOĞLU B., AKSU E., ÖZMEN M., AKKAYA ULUM Z. Y., TOPALOĞLU H. A., YARIM-YÜKSEL M., DİNÇER P. R., DAYANGAÇ ERDEN D., BAKIR-GÜNGÖR B., et al., Project Supported by Higher Education Institutions, Nöromusküler Hastalıklarda Hedefe Yönelik Tedavide Mitokondriyal Mikro RNA Biyobelirteçlerinin Tanımlanması, 2017 - 2021

DÖKMECİ S., PEYNİRCİOĞLU B., ÖNAL G., YÜZBAŞIOĞLU A., YALÇIN ÇAKMAKLI G., ELİBOL B., SAKA TOPÇUOĞLU E., Project Supported by Higher Education Institutions, Erken Başlangıçlı Parkinson Hastalığında Derin Fenotip ve Genotip İlişkisi, 2017 - 2021

BALCI B., KURT C. E., AKSU E., AYDINOĞLU A. T., PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, İnflamasyon İle İlişkili Nöromusküler Hastalıklarda Dolaşımdaki Mitokondriyal DNA'nın Araştırılması, 2018 - 2019

PEYNİRCİOĞLU B., AKKAYA ULUM Z. Y., Project Supported by Higher Education Institutions, Otoinflamatuvar Hastalıklarda İnflamazom Bileşenlerinin Hücre Göçü Sürecinde İncelenmesi, 2018 - 2019

PEYNİRCİOĞLU B., KALYONCU U., YERSAL N., AKBABA T. H., ÖZEN S., KORKUSUZ P., AKKAYA ULUM Z. Y., TAVUKÇUOĞLU Z., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi (AAA) Hastalığında Belirlenen Aday miRNA'ların Dolaşımdaki Varlığının Eksozomlar Üzerinden Araştırılması, 2017 - 2019

Akbaba T. H., Peynircioğlu B., Akkaya Ulum Z. Y., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi (AAA) Hastalığında Belirlenen Aday miRNA'ların Dolaşımdaki Varlığının Eksozomlar Üzerinden Araştırılması, 2017 - 2018

PEYNİRCİOĞLU B., AKKAYA ULUM Z. Y., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi Hastalığında Görülen İnflamasyon Sürecinde Rol Alan miRNaların Tanımlanması, 2017 - 2018

PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, Avrupa İnsan Genetiği Konferansı, 2016 - 2018

PEYNİRCİOĞLU B., AKKAYA ULUM Z. Y., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi Patogenezinde mikroRNA20a ve mikroRNA197'nin Olası Rolü, 2017 - 2017

PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, 8. Uluslararası Ailevi Akdeniz Ateşi ve Sistemik

Otoinflamatuvar Hastalıklar Kongresi, 2015 - 2016

PEYNİRCİOĞLU B., GUMUCİO D., Project Supported by Higher Education Institutions, Hücre polaritesinin Pluripotent Kök Hücrelerdeki Önemi, 2015 - 2016

AKKAYA ULUM Z. Y., PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi hastalığında inflamatuvar hücre göçü sürecinin incelenmesi, 2015 - 2015

PURALI N., PEYNİRCİOĞLU B., TÜBİTAK Project, Pypin proteinin inflamatuvar hücre göçündeki işlevinin araştırılması, 2012 - 2014

## **Metrics**

Publication: 65

Citation (WoS): 1531

Citation (Scopus): 1721

H-Index (WoS): 16

H-Index (Scopus): 19

## **Non Academic Experience**

Hacettepe Üniversitesi

Hacettepe Üniversitesi